

WHAT IS CLAIMED IS:

1. A program development device developing an application program by use of a component having a plurality of interfaces, comprising:

5 a component selecting module having said component selected;

 an interface selection module having said interface selected for said selected component, and setting said selected interface in a valid or invalid state;

10 a recording unit retaining a set record of having set said interface in the valid or invalid state; and

 an edit module supporting the development of the program by use of said interface set in the valid state or said interface that is not set in the invalid state in accordance with the set
15 record.

2. A program development device according to claim 1, further comprising a specifying module specifying one of the plurality of set records,

20 wherein said edit module supports the development of the program by use of said interface set in the valid state in the specified set record or said interface that is not set in the invalid state.

25 3. A program development device according to claim 1, further comprising:

 a group definition module defining a group consisting of

a plurality of users; and

a group specifying module specifying a usable set record with respect to the group.

- 5 4. A program development device developing an application program by combining components having a plurality of interfaces, comprising:

a layout component selection module selecting said layout component which lays out a plurality of components to be laid
10 out;

a laid-out component selection module selecting said component to be laid out in said selected layout component;

a prescribing module prescribing a layout specification for laying out said laid-out components;

- 15 a recording unit retaining a layout specification record of the prescribed layout specification; and

a edit module supporting a development of the program by laying out said laid-out components in said layout component in accordance with the layout specification record.

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5. A program development device according to claim 4, further comprising a specification designating module designating one of a plurality of layout specification records,

- 25 wherein said edit module supports the development of the program by use of the layout specification prescribed in the designated layout specification record.

6. A program development device according to claim 4,
further comprising:

a group definition module defining a group consisting of a plurality of users; and

5 a specification designating module designating the layout
specification record usable for the group.

7. A program development method of developing an application program by use of a component having a plurality

10 of interfaces, comprising:

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selecting said component;
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selecting said interface for said selected component;

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        setting said selected interface in a valid or invalid
state:

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15 recording the valid or invalid setting; and

developing the program by use of said interface set in the valid state or said interface that is not set in the invalid state in accordance with the above setting.

20 8. A program development method of developing an
application program by combining components having a plurality
of interfaces, comprising:

selecting said components which lays out a plurality of components;

25 selecting said plurality of components to be laid out in
said selected layout component;

prescribing a layout specification for laying out said

plurality of components;

recording the prescribed layout specification; and

developing the program by laying out said plurality of
components in said layout component in accordance with the layout
5 specification.

9. A readable-by-computer recording medium recorded with
a program supporting a development of an application program
by use of a component having a plurality of interfaces, said

10 program executed by a computer, comprising:

selecting said component;

selecting said interface for said selected component;

setting said selected interface in a valid or invalid
state;

15 recording the valid or invalid setting; and

developing the program by use of said interface set in
the valid state or said interface that is not set in the invalid
state in accordance with the above setting.

20 10. A readable-by-computer recording medium recorded with
a program supporting a development of an application program
by combining components having a plurality of interfaces, said
program executed by a computer, comprising:

25 selecting said component which lays out a plurality of
components;

selecting said component to be laid out in said selected
layout component;

prescribing a layout specification for laying out said plurality of components;

recording the prescribed layout specification; and

developing the program by laying out said plurality of
5 components in said layout component in accordance with the layout specification.

11. A data communication signal embodied in a carrier wave
containing a program code module supporting a development of
10 an application program by use of a component having a plurality of interfaces, said program code module executed by a computer, comprising:

selecting said component;

selecting said interface for said selected component;

15 setting said selected interface in a valid or invalid state;

recording the valid or invalid setting; and

developing the program by use of said interface set in
the valid state or said interface that is not set in the invalid
20 state in accordance with the above setting.

12. A data communication signal embodied in a carrier wave
containing a program code module supporting a development of
an application program by combining components having a plurality
25 of interfaces, said program code module executed by a computer, comprising:

selecting said component which lays out a plurality of

components;

selecting said plurality of component to be laid out in
said selected layout component;

prescribing a layout specification for laying out said
5 plurality of components;

recording the prescribed layout specification; and

developing the program by laying out said plurality of
components in said layout component in accordance with the layout
specification.

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